1 3 . Same 18 . Sales

WHAT ARE PRUSSIA AND GERMANY DOING

These Powers, in common with the greater par of the nations of Europe, are cultivating the arts of peace; are obtaining a knowledge of their mineral, agricultural, manufacturing, and commercial resources; are encouraging the arts and sciences, are developing mechanical skill and useful inventions by rewards and premiums; are extending education among the mass of the people; are encouraging industry, fostering genius, and promoting human happiness by all the means which enlightened philar thropy, liberal policy, and rapidly improving views of the duties which the ruling few owe to the ruled many, can dictate.

France, Great Britain, Germany, Prussia, Russia Holland, Belgium, Denmark, and Sweden are engaged in this good work. But our present inquiry concerns Prussia and Germany, or that portion of the latter, which, with Prussia, form the Zoll-Verein (or Toll or Custom's Union) and which includes the whole of the Germany of the Geographies, with the exception of Austria, Oldenburg, Holstein, Han-over, Mecklenburg, Schwerin and Strelitz, Ham-burg, Bremen and Lubeck.

The Zoll-Verein sprung from small beginnings. In 1826, the Thuringian, with one or two other States, formed a Mittel Verein, and shortly afterwards Bavaria and Wirtemburg joined in a further Verein. It was not until 1833 that the actual Zoll-Verein was formed, under the auspices of Prussia, when the two pre-existing Unions became merged in it; and by subsequent additions it now consists of thirteen different States, including all Germany, with the above mentioned exceptions. The population of the States of Germany included in the Zoll-Verein is about 28,000,000; that of those which have not yet

joined it, about 48,000,000. It is true that the principle of the Zoll-Verein had its origin in the celebrated Prussian Ordinance of 26th May, 1818, which had reference to the duty on foreign goods, and also to the trade of the interior; but as an institution having an important bearing upon the commerce of other nations it had no existence until 1833. The great effect which this institution has produced in the twelve years during which it has been in operation could not have been anticipated. It has probably more than realized the expectations of the financier, the agriculturist, the merchant, the manufacturer, and the politician. "But," says the Westminster Review, "all the dif-· ferent motives of these various classes, powerful · as each in itself might be, would have scarcely · sufficed to consolidate the Zoll-Verein upon its ac-· tual basis, without the impetus of that strong desire which was manifested by the bulk of the people of the contracting States to possess emphatically a · tangible German nationality, an object they fully expected to see realized through the fusion of their scattered commercial and financial interests. That, · in reality, the Zoll-Verein mainly owes its existence ' to this state of feeling, which Prussia, for her own · political objects, ably turned to account, rather than to any other single predominating cause, how os-tensibly soever placed in the foreground, is a fact which all must acknowledge who have mixed among the people of the Zoll-Verein States; whilst · by such it will be equally admitted that in all which concerns the moral, social, and political condition of Germany, the Zoll-Verein has so far been an instrument of good: in a word, has been the means of operating a moral regeneration of the · land. If we take, in illustration, the single case of ' railroads, we shall find these to be far more de-· veloped in the States which belong to the Zoll-· Verein than in those which do not; and other in-stances might be readily adduced." It is necessary to discriminate between the Zoll-Verein simply as a union of States, and that which emanates from that Union, the Zoll-Verein tariff for instance. The former supplied a want of the German people; it was suited to their condition, and has hitherto worked

of the protective system." We shall not enter into the discussion of this question in this place. If we glance at other evidences of the commercia development of the Zoll-Verein, betokening at least the activity of its administration, we shall find the by-gone year to have been fertile in Berlin with incidents of commercial magnitude and importance.

ment upon it. The Westminster Reviewer argue

the question as between Germany and Great Bri-

tain, and, being an advocate of free trade, there is

no wonder, that whilst he considers the Tariff to

have been adopted as well "in retaliation against

England" for her restrictive policy, " as for the pro-

tection of the national industry," he arrives at the

conclusion that the measure will not be found ulti-

mately conducive to the welfare and happiness of

the Zoll-Verein States. At the same time he admits

that the hostile commercial character of the Zoll-

Verein tariff may cause to England the loss of the en-

tire German market, and the competition of German manufactures in foreign markets. The reviewer

· Germany are favorable to free trade principles, but

· that their wishes are overborne by the morbid state

of public feeling created in the manufacturing dis-

. tricts by the writings of Dr. List, the champion

These are: 1. The negotiation of a commercial treaty between the Zoll-Verein and the United States. 2. The opening of the exhibition of national in

dustry at Berlin.

3. The constitution of a board of trade. 4. The return of a commission sent out by the Prince of Prussia to explore the Musquito country in Central America, with the view of German colo-

5. The conclusion of a treaty of navigation and commerce between the Zoll-Verein and Belgium.

6. The opening of commercial negotiations with Brazil and Holland, and the despatch of a commercial mission to China.

As regards the first of these, the treaty with the United States, its history is too well known to our readers to need any notice from us. This is not the place nor the time to discuss the policy which dictated its negotiation, or the causes which led to its being laid on the table by the Senate.

The Gewerbe-Ausstellung, or exhibition of national industry, at Berlin, which has lately been closed, furnished conclusive evidence that Germany has made immense strides as a manufacturing counlate herself on the skill and industry of her people. The exhibition took place in the magnificent arsenal at Berlin. The specimens of machinery of various sorts and kinds were in general well manu-30,000 tons of iron, (chiefly English,) and is conducted with the greatest vigor and success. There

entitled to much praise, both for taste and work-

"That the effect of this exhibition upon the German people," says the reviewer, "as well from its novelty and nature as from the official parade attending it, should have been of an exciting kind, was only natural; whilst, considered apart from the question of its real utility, and under the political point of view alone of tending to strengthen the bond of national feeling which the Zoll-Verein was the great instrument of first effectually cementing, it has wonderfully fulfilled the expectations that were entertained of it by the rulers of the Zoll-Verein States."

One of the first fruits of the enthusiasm thus reated has been the formation at Berlin of an association called The Central Union, for the wellbeing of the working class ; to the funds of which the King has contributed a donation of \$15,000, Prussian.) or about \$10,000 United States currency. The objects of this union are to minister to the wants, physical and moral, of the workpeople

in factories, and other laborers, by the establish of savings banks, the awarding of premiums, the ormation of schools, and the propagation of useful ublications.

The constitution of a Board of Trade has long been a favorite object with the Prussian Government, and its actual establishment, though avowedly for the service of the Prussian Government, must be regarded as a Zoll-Verein measure. The President of this Board, M. de ROENNE, is well and advanageously known in this country as the formerly esident Minister from Prussia to the United States.

The acquisition of colonies has long been a faorite object with the States forming the Zoll-Verein onfederacy. A commission was sent to explore the Mosquito country in Central America; it has returned, but the report has not yet been published. The enterprise is to be a national one, under the

egis of the Zoll-Verein. That emigration is a want of Germany, every day's experience tends to prove. A printed circular, dated October, 1844, shows that the number of individuals who, on the average of the last few years, annually migrate from Germany (chiefly to the United States) is about 30,000, and that they carry with them, at the least, a capital of five millions of Prussian dollars, (or three millions and one-third United States currency.) It further shows that the emigrants from Bavaria alone for the five years from 1835 to 1839 amounted to 24,500, with a capital of seven millions of florins, or three millions of dollars in the currency of the United States. Germans are admitted to be among the best of emigrants, rendered so by their patient, sober, steady,

and economical habits. The treaty between the Zoll-Verein and Belgium. which was negotiated on the part of the former by M. de ROENNE, is considered the greatest stroke of policy the Zoll-Verein has yet achieved. Its principal and prominent feature consists in the stipulation which converts, for all practical purposes, the Belrian seaports into seaports of the Zoll-Verein, giving he latter, through its own shipping, direct commer cial intercourse with transatlantic countries. The atest news from Europe shows that France is dis satisfied with this treaty, and accuses Belgium of having conceded to the Zoll-Verein advantages to which she (France) was exclusively entitled, and for which she had paid a stipulated price in the terms of her existing treaties with Belgium. We know nothing of the progress of the commercial negotia-tions between the Zoll-Verein and Brazil and Holland, nor of the success of the commercial mission o China. A more important mission than either is the visit of M. de ROENNE to Hamburg and the adacent free cities, with a view to bring about the acression of the HANSE-Towns to the Zoll-Verein. This would be a measure fraught with most important consequences to the commerce and manufactures of England, and the English journals say factures of England, and the English journals say and for other purposes," passed by the Legislature of Maryland that few things would inflict a heavier blow upon their commercial welfare than the accession of are hereby approved, assented, and a greed to; and that such Hamburg to the Zoll-Verein, in the actual state of approval, assent, and agreement, under the corporate seal and the Zoll-Verein tariff. It is said that principally of the signature of the President of this Company, be communiwell: this is admitted by all parties. The latter the Zoll-Verein tariff. It is said that nine-tenths of ish Parliamentary returns, takes ports of Hamburg and Altona. Dr. Soetbeer, in his report on the commerce of Hamburg, says: · According to the money-value, Hamburg takes the most important place for England after the United States of North America. Hamburg imports from England more than twice as much as all France.' In his opinion, "it is Hamburg's vocation to remain a German seaport, and, as such, a cosmopolitan commercial city." " Even in the event of the extension of the Zoll-Verein to the shores of the North Sea, the well-understood interests of Germany require that Hamburg should remain a free port, and a neutral commercial republic. adds "that many of the statesmen and politicians of man newspapers state that a party, not as yet numerous, but likely to increase, has commenced getting up meetings in Hamburg in favor of an annex-

ation with the Zoll-Verein. Such is our reply to the question, "What is Prussia and Germany doing?" . We have shown that a spirit of inquiry and of enterprise is wide awake in them, and we bid them "God speed !" in every undertaking which is founded on right and carried forward with instice.

PPENCH TRANSATIANTIC STRAM PACKETS

A report has been lately presented to the French Chambers by the Minister of Marine and the Colonies, explanatory of the delays which had occurred in the establishment of the line of transatiantic steamboats ordered by the law of July 16, 1840. The information reported by the commission of the Gomer, demonstrated the necessity of modifying the routes established by the law. These modifications will be made as soon as the Government shall be charged definitively with the service, or when it shall be decided to transfer the direction to

a commercial agency.

The new project is limited to the establishment of these points of arrival: Rio Janeiro, Martinique or Guadaloupe, Havana, and New York. The points of departure from France are not designated, because it is probable that proposi-tions may be made for the same lines to depart from different ports, and it is wished to reserve them to be designated in the manner which shall be most advantageous to the treasury.

Companies who may offer to contract for the lines will be free to act according to their choice.

There will be four instead of three independent lines. Pro-

positions have already been made by a company for one going directly to Havana. According to the law of 1840, this line was to be dependant on that of Martinique. As to the line to the West Indies, the contractors will be left to choose between Guadaloupe and Martinique.

If, contrary to expectation, companies do not offer satisfactory terms to contract for the formation of commercial lines, the enterprise will be undertaken on account of the Govern-ment. In that case the line to Martinique will have but one try, and that she has abundant reason to congratupoint of departure, viz. Bordeaux. The number of voyages
late herself on the skill and industry of her recole eighteen from Bordeaux to Martinique. - Boston Daily Adv.

EMIGRATION FROM EUROPE TO AMERICA.-The late arririous sorts and kinds were in general well manufactured, without displaying much novelty. The most conspicuous was a beautifully finished locomotive and tender, of powerful dimensions, from the foundry of Messrs. Borsig & Co., situated just the foundry of Messrs. Borsig & Co., situated just to the section of the same and the citizens to the radopted country. One ship arrived at Boston week before last with seventy families, who were sent out, bound for Wisconsin, by a society in England, which has been considered to many of the many of the many of the payment of the same and the citizens to their adopted country. One ship arrived at Boston week before last with seventy families, who were sent out, bound for Wisconsin, by a society in England, which has been formed in this way: Every man having a family and many of them will prove useful many of them will prove useful titerest to accrue thereon, in such form and to such extent as they may deem expedient, with a provise saving the prior rights or liens of the State of Maryland under the mortgages the foundry of Messrs. Borsig & Co., situated just to the seciety man having a family and construction of the same and the citizens to their adopted country. One ship arrived at Boston where sent out, because the construction of the State of Maryland under the mortgages the foundry of Messrs. Borsig & Co., situated just to the seciety man having a family and the construction of the State of Maryland under the mortgages the formed in this way. Every man having a family and the construction of the cons without the walls of Berlin, constructed entirely by Germans. This factory employs upwards of 600 hands, all Germans; consumes annually about 120,000 tons of intervals and as often as they amount to \$100 he buys eighty acres of land, builds thereon a log house, and

are several other establishments of the same kind in the country. Of the other chief articles, the most lands. When the families arrive, each finds his house and noticeable, perhaps, were Saxon cloths, Rhenish him in addition with \$50 for the purchase of stock, tools, &c., noticeable, perhaps, were Saxon cloths, Rhenish silks, &c. and Silesian linens, of all of which the display was considerable. The cotton and mixed cotton and woollen goods were fair enough specimens, showing signs of progress. The cutlery was inferior when compared with English, but there were various kinds of iron and other metal wares well entitled to commendation. Of gold and silver wares and fancy articles, there was a superabundance, many of them being elaborately finished, and CHESAPEAKE AND OHIO CANAL.

of said Company, in the city of Frederick, to take and revenues for the payment of the same and the interest to into consideration the expediency of accepting an accrue thereon, is plainly and expressly given.

act of the Legislature of Maryland, passed at its

We regard this law as of the highest importance, Cumberland and for other purposes;" and also Company. in act entitled "An act further to amend the act in- Important and necessary, however, as, under existing circorporating the Chesapeake and Ohio Canal Company," passed by the Legislature of Virginia on the 20th day of January, 1844, confirmed by the Legislature of Maryland by an act passed the 8th February 1844 and assented to by the Congress of the ary, 1844, and assented to by the Congress of the tion of the great work we have in charge, without the further nited States during the session just closed.

and, was called to the Chair, and Thomas Turner foit, we have the gratification to inform you we have likewise

was appointed Secretary.

The list of Stockholders having been called over, n motion, the Chairman appointed Messrs. Ingle, Van Lear, and Washington a committee to examine e various proxies, and report thereon.

The said committee, having performed the duty ssigned them, reported the following Stockholders to e duly and regularly represented in this meeting, viz:

The United States—By Col. J. J. Abert.
The State of Maryland—By Governor Samuel S
Allen B. Davis, John Van Lear, and Wm. T. Goldsbo squires, State Agents.

The State of Virginia—By James L. Ranson, Esq.

Washington—By W. W. Seator

The Corporation of Washington—By W. W. Seaton and Lewis Johnson, Esqrs.

The Corporation of Georgetown—By Wm. S. Nicholls, Samuel McKenney, and Evan Lyons, Esqrs.

The Corporation of Alexandria—By Phineas Janney, Robert H. Miller, and Wm. H. Fowle, Esqrs.

In addition to the above, there were several individual stockholders represented by proxy, and numerous stockholders large majority of the stock of said Company.

James M. Coale, Esq., the President of the Company.

n behalf of the President and Directors, presented and read a report to the meeting in regard to the objects for which it was

After which, he presented and laid before the meeting auhenticated copies of the following acts, viz :

An act entitled "An act to amend the act in

An act entitled "An act to amend the act incorporating the Chesapeake and Ohio Canal Company," passed by the Legislature of Virginia on the 20th January, 1844.

An act entitled "An act to confirm an act of the General Assembly of the State of Virginia," &c., passed by the Legislature of Maryland on the 8th February, 1844.

An act entitled "An act confirming and assenting to an act of the Legislature of Virginia," &c., passed by the Congress of the United States, and approved by the President on the 7th day of February, 1845.

Also, an act of the Legislature of Maryland, entitled "An Also, an act of the Legislature of Maryland, entitled "An

act to provide for the completion of the Chesapeake and Ohio Canal to Cumberland, and for other purposes." Whereupon, J. VAN LEAR, Esq. submitted the following

Resolved by the Stockholders of the Chesapeake and Ohio Canal Company in General Meeting assembled, That the act entitled "An act further to amound the act incorporating the Chesapeake and Ohio Canal Company," which was passed by the Legislature of Virginia on the 20th day of January, 1844, confirmed by the Legislature of Maryland on the 8th day of February of the same year, and assented to by the Congress of the United States, approved by the President on the 7th day of February, 1845, be and the same is hereby accepted and assented to, and declared to be in full force as a art of the charter of this Company.

The question being taken, the above resolution was unand

JAMES L. RANSON, Esq. then offered the following : Resolved by the Stockholders of the Chesapeake and Ohicanal Company in General Meeting duly assembled, Tha the provisions of the act entitled "An act to provide for the completion of the Chesapeake and Ohio Canal to Cumberland cated to the Treasurer of the Western Sho

Western Shore of said State, on the canal, its land tolls, and revenues, subject nevertheless to the liens and pledges made, created, or authorized by the said act of 1844, chapter 282, as an additional security for the payment of the oan made by the said State to this Company, under the act of December session, 1834, ch. 241, and the interest due and in arrear, and which may hereafter accrue thereon, in compliance with the 7th section of the first mentioned act of 1844, chap.

The said resolutions were read and the onestion having een taken, they were unanimously adopted. The meeting then, on motion, was adjourned sine die.

SAMUEL SPRIGG, Chairman. THOMAS TURNER, Secretary. REPORT OF THE PRESIDENT AND DIRECTORS

TO THE STOCKHOLDERS. OFFICE OF THE CHESAPEARE AND ORTO CANAL CO.

FREDERICK, APRIL 29, 1845.

To the Stockholders of the Chesapeake and Ohio Canal Company, in general meeting assembled: GENTLEMEN: Pursuant to the charter of the Chesapeake d Ohio Canal Company, we have called you together or e present occasion to submit to your consideration two several enactments which have received all the sanctions required from legislative authority, and only await your assent and ac-

entance to become fixed laws.

The first is an act amendatory of the charter of this Con any, entitled "An act further to amend the act incorporatng the Chesapeoise and Ohio Canal Company," which was passed by the Legislature of Virginia on the 20th day of Janpary, 1844, confirmed by the Legislature of Maryland on the Sth day of February, of the same year, and assented to by the payment, or whether the Board are first to raise the money on Congress of the United States and approved by the President on the 7th day of February, 1845.

The second is a simple legislative enactment, entitled "An act to provide for the completion of the Chesapeake and Ohio knowledge. By force of the law and its acceptance by this Canal to Cumberland, and for other purposes," passed by the Legislature of Maryland on the 10th day of March, 1845. The reasons and motives that actuated the Board in making

oplication for the amendment to the charter of the Company, ove referred to, will be seen by reference to their memorial o the Legislature of Virginia, a copy of which will be found the act. The margin allowed over and above the amount in the appendix, No. 1; and the importance of the amendment to the interests and well-being of the Company will be readily appreciated by an examination of the law itself.

Its leading provisions are an enlargement and extension of he time allowed for the completion of the canal to Cumberland, which, without this amendment, would long since have expired, and left the Company at the mercy of the sovereignes that created it; and an express authority conferred on the President and Directors, or a majority of them assembled, to borrow money from time to time to carry into effect the objects other evidences of such loans, and to pledge the property and revenues of the Company for the payment of the same and the interest of the Company for the payment of the same and the local same and the lo heretofore executed by this Company to said State, except in so far as the same may be waived, deferred, or postponed by county, Maryland, a distance of 1844 miles. About five mi the Legislature thereof.

Legislature of Maryland to the general provisions of the law. miles, extending from Georgetown to Dam No. 6, are finish If the act had not contained the clause referred to, it could and navigable, and the trade thereon is steadily increasir never have received the confirmation of the Maryland Legisla | Thirty-one and seven-tenti's of the work on the rem ture, inasmuch as such confirmation, without it or an equiva- miles have already been executed, at a cost of \$2,892,000, lent provision, might have been construed into a general waiver of the State's claims to an indefinite amount, and for tive authority.

ed for the completion of the canal to Cumberland, which, under a strict construction of the original charter, expired in General Meeting of the Stockholders of the Chesapeake and Ohio Canal Company.

A General Meeting of the Stockholders of the Chesapeake and Ohio Canal Company, and Company of the Stockholders of the Chesapeake and Ohio Canal Company, duly consultation of the work to that point within the time original constraint of the work to that point within the time original constraint of the work to that point within the time original constraint of the work to that point within the time original constraint of the official constraint of the o vened agreeably to the charter of said Company, power to the President and Directors to borrow money for the was held on the 29th of April, 1845, at the office general purposes of the Company, and to pledge its property

recent session, entitled "An act to provide for the completion of the Chesapeake and Ohio Canal to the stockholders, so as to make it a part of the charter of the

On motion, Governor Samuel Spring, of Marys of her liens. This, after a long, earnest, and persevering efobained by the passage of the second act referred to in the conmencement of this communication. Although there are sone parts of this law which may be regarded as vexatious and exacting, we yet feel assured that, by the generous aid and co-operation of the friends of the canal, and by the exercise of the same prudence and perseverance which has enabled us toovercome the obstacles hitherto thrown in our path, all present difficulties may be surmounted, and the provisions and oljects of the law be fully complied with and fulfilled. We, therefore, in like manner, respectfully commend it to the aceptance of the stockholders.

It will be seen, by reference to the ninth section, that act is not to take effect until after it is accepted by this company, and such acceptance is duly communicated to the Treasuer of the Western Shore of Maryland. Up to this time, consequently, the Board could take no definitive measures for complying with its provisions; but, in anticipation of the favorable action of the stockholders, we have, ever since the adjournment of the Legislature, been actively engaged in ma personally present; in all, constituting the representation of a king arrangements to have its requirements fulfilled, and are flattered with the belief that at a very early day after the law receives your sanction its preliminary conditions will be sa-

When the clause requiring a guaranty for the through transportation of not less than one hundred and ninety-five thousand tons of tonnage per year for five years, dating from the end of six months next after the completion of the canal to Cumberland, was inserted in the bill, apprehensions were entertained that the requirement might prove fatal to its availability, inasmuch as individuals and private corporations are seldom known to assume upon themselves responsibilities that are to enure to the common benefit; but the enthusiasm with which the measure has been received by the stockholders of the incorporated companies of Alleghany county, by the people of the Potomac counties of Maryland and Virginia, and by the citizens of the District cities, has dissipated all doubt and apprehension on this subject.

It is now sufficiently ascertained that the guaranties will be given, and securely given, and this clause of apprehended weakness will then be converted into a source of strength. The guaranty will not only operate as a sort of collateral security for the bonds that may be issued for the completion of the work, but, being executed for small amounts by numerous responsible parties, making, in the aggregate, the quantity stipulated for in the law, they will bind by the strong metive of self-protection nearly every important trader at each extremity, and along the line of the canal to the canal interest, and induce all to take a lively and active part in augmenting its trade. In this way the Chesapeake and Ohio Canal, which is already so highly appreciated by all who are within the range of its operations, will acquire additional claims to the popular favor and support.

After the guaranties are executed and approved by the Goernor of this State, and the agents representing the State in this Company or a majority of them, the board will then be empowered to avail themselves of the operative provisions of the law, and to issue the bonds of the Company for the completion of or raising the means to complete the canal to Cum-

According to the provisions of the law, the Board of President and Directors are invested with the discretion either to a contract or contracts to have it executed and paid for directly in the bonds secured in the manner therein provided for. Which plan it may be most expedient to adopt is a matter for time that otherwise must necess rily be consumed to perfect a negotiation. But whether this consideration should be allowed to prevail, must depend materially on the character of the bids, and the responsibility of the parties who may offer to contract for bonds in case any such proposals should be offered. No such contract certainly will be entered into, unless the parties can demonstrate to the satisfaction of the board that they have ample means or resources, or have made such arrangements as to leave no doubt of their ability to finish the work within the time that may be prescribed, which will not

exceed two years from the commencement of operations. Whether, however, the work be completed by contract who can command the means and will receive the bonds in the bonds from capitalists and pay for the work in cash, it is very manifest that the security given will be so abundant as to render the investment one of the best of which we have any Company, the bonds will be preferred, and absolute statutory liens on the entire revenues of the Company, fortified by guaranties of an annual tonnage for the first five years greatly more than is necessary to yield a sur a sufficient to pay the interes and the annual appropriation to the sinking fund provided by necessary for the completion of the canal and the payment of the necessary expenses appertaining thereto, will be applied to the payment of the interest on the actual outlay until the work is finished, and after that period the revenues of the Company will be an unfailing and constantly increasing source for that purpose, and the providing an adequate sinking fund to discharge the principal of the bonds when they become due, according to the requirements of the law.

It may be proper, in this connexion, to give a brief description of the Chesapeake and Ohio Canal, its dimensions, present cost, capacity, and the sources of its expected trade, in

of the canal is within the District : the entire residue of The object of this proviso was to secure the assent of the line is within the State of Maryland. Of the entire line 13 all purposes authorized by the charter of the Company. Under the law as it now stands, however, whatever rights the amount required to finish these eighteen and three-tenth miles, State of Maryland may have by virtue of her mortgages remain according to a detailed estimate made by the Chief Engineer good, except in so far as they may be waived by her legisla- in 1842, was \$1,545,000. That estimate was made in refer ence to the cost of the work which had been done, at a time By obtaining this important amendment to the charter, this when provisions were high and labor scarce. Now, however, Company was once more placed upon solid grounds, and new provisions are low and labor is abundant, and these advantalife was infused into its corporate existence. The time allow- ges must necessarily enure to the benefit of the Company.

DIMENSIONS AND COST.

cal	nal up to this time is as follows:	
For For	the acquisition of lands	04
	Total\$9,775,702	54

CAPACITY. When the canal shall be finished and filled to its capacity, oats carrying 100 tors of tonnage may navigate its entire ength with ease. In consequence of the mildness of the latiade in which it is located, it has heretofore seldom been closed by ice for more than six weeks in the year, which generally happens in January and February ; and, in this respect, it conequently possesses great advantages over the Northern canals, whose navigation is usually suspended for four or five months annually. It is scarcely necessary to go into an estimate of the annual amount of tonnage that might be transported on a holders, is not presented to you in form; but we deemed it annually. It is scarcely necessary to go into an estimate of work of this description; but, as the calculation is before us, worthy of being mentioned at this time as a matter of interest.

we will here transcribe its results. Several years ago the Chief Engineer of this Company of measures It clothes the Company with ample powers to made two estimates, founded upon data furnished by the experience of fourteen years on the Eric Canal in New York. The one was based on the greatest month's work, and the other on the number of boatswhich, in the opinion of several of the officers of that canal, could conveniently be passed each day.

Assuming the capacity of boats on the Chesapeake and Ohio Canal to Cumberland; with responsible parties wil-Canal at only eighty tons, according to the first calculation ling and ready to execute and deliver the guaranty required by the amount of tonnage capable of being transported on it dursingle locks, as at present, 3,264,000 tons, and with double locks, 5,440,000 tons; and on the second basis, the amount such guaranty, and some of the other proceedings under the ouble locks, 10,000,000 of tons per annum. With a large pect of a speedy termination of the long probation which allowance, therefore, for the usual discrepancy between theoretical calculations and practical results, it is very manifest
that many years must elapse before the full capacity of the
Chesapeake and Ohio Canal, with single locks, can be tested by actual experience.

SOURCES OF TRADE AND REVENUE.

be created "a water-power surpassed in extent only by that which England and the United States enjoy in common, near the western extreme of the Erie Canal, in the Falls of Niagara." When it is finished to Cumberland, it will be put n direct communication with the trade of the West, and will afford the most eligible and cheapest route to the seaboard, from the vast and populous regions beyond the Alleghany mountains. With a portage, by wagons, of only seventy-three miles on the great national macadamized road, between Cumberland and Brownsville, on the Monongahela, towhich steamboats of the largest class now come, the facilities of water ommunication for freight of every description will be afforded to the States bordering on the Ohio river, and those of the far West who may navigate its waters in conveying their productions to the cities of the Atlantic, or receiving from thence their supplies. From the county of Alleghany also a cons derable amount of tonnage will be supplied in iron, fire bricks, cemerit, lumber, &c. ; but by far the most important source of trade relied on, and to grasp which has been the primary and controlling motive in prosecuting the work to its present destination, is the boundless and inappreciable coalthe tariff) will be judged favorably or not, according the commercial creed of those who pass judging to the commercial creed of those who pass judging to the commercial creed of those who pass judging to the commercial creed of those who pass judging to the commercial creed of those who pass judging to the commercial creed of those who pass judging to the commercial creed of those who pass judging the course without a curve. In effect, I reasurer of the Western Shore of said State, in sident and Directors are invested with the discretion either to cate to the Treasurer of the Western Shore of said State, in sident and Directors are invested with the discretion either to cate to the Treasurer of the Western Shore of said State, in sident and Directors are invested to the Treasurer of the Western Shore of said State, in sident and Directors are invested to the Treasurer of the Western Shore of said State, in sident and Directors are invested to the Treasurer of the Western Shore of said State, in sident and Directors are invested to the Treasurer of the Western Shore of said State, in sident and Directors are invested to the Treasurer of the Western Shore of said State, in sident and Directors are invested to the Treasurer of the Western Shore of said State, in sident and Directors are invested to the Treasurer of the Western Shore of the Course without a curve. In effect, I reasurer of the Western Shore of the Course without a curve. In effect, I reasurer of the Western Shore of the Course without a curve. In effect, I reasurer of the Western Shore of the Course without a curve. In effect, I reasurer of the Western Shore of the Course without a curve. In effect, I reasurer of the Western Shore of the Course without a curve. In effect, I reasurer of the Western Shore of the Course without a curve. In effect, I reasurer of the Western Shore of the Course without a curve. In effect, I reasurer of the Western Shore of the Course without a curve of the Course without a curve of the Course without a curve of the Cour norally speaking, inexhaustible. Those that have been already opened consist of horizontal strata, slightly elevated, and preference, the board will be governed by circumstances, and, after consultation with the authorities above mentioned, pursue such course as in their judgments may be most conducive to the general interests of the Company, keeping in view the completion of the canal at the earliest practicable period as an object of primary importance. It would certainly be more desirable for the Company to raise the money themselves, and pay for the work in cash, if a loan can be readily obtained, as by that means the field of competition among contractors would be greatly enlarged, and the only consideration that at present could have any weight with the Company in favor of letting out the work to be paid for bonds, is the saving of the train strongly and the conductive to the general interests of the Company to raise the money themselves, and pay for the work in cash, if a loan can be readily obtained, as by that means the field of competition among contractors would be greatly enlarged, and the only consideration that at present could have any weight with the Company in favor of letting out the work to be paid for bonds, is the saving of the train though them will be seen by reference to the volumitation that at the train through the private product of primary importance. It would retrain the contractors would be greatly enlarged, and the called the but little compared to the immense attent is immaterial, as a thousand tons equally distributed would be but little compared to the immense attent is water is in a hydraulic press, and the quantity of oil forced under it as water is in a hydraulic press, and the cather and that it will not be exhausted for centuries. It will be the province of a distant posterity to drain the tentine that it will not be exhausted for centuries. It will be the province of a distant posterity to drain the private forms that it will not be exhausted for centuries. It will be the private for the untimited and untiring throad, flat, and smooth, having at every time of which being a lever long enough leclining towards the valleys, so as to be situated in the best nous and very learned report of Professor Johnson "on American coals applicable to steam navigation and to other purposes," made to the Navy Department in June, 1844, and recently published under an order of the United States Senate. In this last mentioned document, which contains the results of a long series of scientific experiments, it will be found that, "in the order of evaporative power under equal weights," which is deemed improvements.

These pivots will answer for turn-outs, for the taking in of turn-out, and drawbridge all in one. Railroads constructed on the above system could pass among hills and mountains where are found the massy rock of marble, granite, slate, coal, and the tall heavy-timbered forest, to supply the wants of far distant towns and cities: the straight train being calculated to haul timber of any length. Having had much experience in many kinds of machinery, I can confidently recommend these improvements. " of evaporative power under equal bulks," which is deemed of the highest importance for the purposes of steam navigation, and of the "evaporative power of combustible matter," the Cumberland coal takes rank as number one in a list of thirty-seven different varieties of coal, obtained from various regions in the United States and Great Britain, including the Newcastle, Sidney, Picton, Liverpool, and Scotch coals.

"As a fuel for domestic purposes (according to the report alluded to) it possesses, on the one hand, a flame abundantly sufficient to give cheerfulness to the aspect of a parlor fire, and on the other, a durability approximating that of some of the lighter anthracites; and, as a furnace coal for the manufac-

lighter anthracites; and, as a turnace coal for the manuac-ture of iron, it will be found among the best of the bitumin-ous class, since, either with or without previous coking, it may be very advantageously employed in the blast furnace."

"Three different sizes of chain were in progress of manu-facture at the different periods at which these experiments were made. They can, however, be all reduced to the same size, by a comparison with a common standard sample of coal, which was used on two sizes of chain. Thus Atkinson and Templeman's (Cumberland coal) made eighteen links of a chain one and three-eighth inches in diameter, and eight links of another chain one and fifteen-sixteenth inches in diameter, by the use in each case of sixty pounds of coal. Midlothian (new shaft) coal of equal quantity was found adequate to the mak-ing of fourteen links of one and three-eighth inch chain; and ing of fourteen links of one and three-eighth inch chain; and three Virginia coals, (viz. Crouch & Snead's, Creek Com-pany's, and Chesterfield Mining Company's,) having a mean evaporating power almost identical with the Midlothian 'new shaft,' put in nine links of one and three-eighth inch chain."

The following table will exhibit "the relative heating pow ers of the Cumberland and foreign coals, as tested in making

Pounds of steam, at 212°, produc- ed by 1 lb. of coal	Size of links, i-	No. oflinks made by 60 lb. of coal.	Deduced No. of links of 14 in. in diam. by 60 lbs.
'em- 10.699	18	18	18
	18	20	20
6.946	14		10
			11
	14		13
8.656	18	15	15
	Co. 10.259 6.946 8.412 7.842	Cem- 10.699 18 New Co. 10.259 18 6.946 18 8.412 18 7.842 18	Co. 10.259 1 18 18 19 10 10 11 11 11 11 11 11 11 11 11 11 11

Possessing these advantages, and others that might be enuerated, it is scarcely possible, without incurring a charge of extravagance, to estimate the amount of Cumberland coal that would be annually consumed, if a full and regular supply were furnished to, and at all times kept on hand in the markets of the country. We have before us, however, abundant evidence to show that the most energetic efforts will be made to ce to show that the most energetic efforts will be made to

keep pace with the demand, to whatever magnitude it may The depth of the Chesapeake and Ohio Canal is six feet increase, as soon as the proper facilities of conveyance are af-broughout, but its transvesse sections vary. From George-forded. During the past year, new life and enterprise appear sown to Harper's Ferry, a distance of sixty miles, it is 60 feet to have manifested themselves in the Cumberland region-wide at the top, and forty-two feet at the bottom. From Within the range of which we have before spoken, numerous Within the range of which we have before spoken, numerous mines have already been opened by incorporated Companies of targe capital, private partnership, and individuals, all of whom berland, (77½ miles,) the top width is 54 feet, bottom width 30 feet. The basin of the Canal at Cumberland is 609 feet above the level of tide-water at Georgetown. This ascent is overcome by one tide and seventy-five lift locks, averaging about eight feet lift. The locks, so far as the work has been ed next year. These roads, the longest of which will not finished, are constructed in the most durable manner, of solid exceed ten miles, will bring the products of the various mines masonry, and each has a chamber of one hundred feet long to the basin of the caual at Cumberland, and from thence they masonry, and each has a chamber of one numered less long to the basin of the caual at Cumberland, and from thence they and fifteen feet wide in the clear. They are constructed with a view to a double lockage, whenever the exigencies of the Company may require it; but, as we shall presently show, the capacity of the canal, with single locks, as at present, is fully be perceived that in the foregoing enumeration we have mainequal to the accommodation of a trade sufficient to gratify the ly confined ourselves to a consideration of the descending trade most extravagant desires of its supporters. The sheer cost of of the canal. The ascending will of course consist of those ordinary supplies which pass from the seaboard to the interior. We have thus presented a brief outline of the capal, and indicated some of the most prominent sources of its expected trade. Having done this, we think we have given good rea-

sons for the assertion made in an early part of this communica-tion, that the bonds that are to be issued under the recent law, being preferred and absolute liens upon the entire revenues the Company, will be one of the best and safest investments of the day. In addition to the laws of which we have hereinbefore spoken, and which are now submitted for your acceptance, we also obtained from the last Legislature of Maryland a very important act for the prevention of injuries to the canal and it works, to guard against frauds upon our revenues, and to facilitate generally the enforcement of the police regulations of the

In connexion with the two other laws, it perfects our system

Our present position, therefore, is a subject of congratulation. the third section of the act, to give efficacy to that provision, ing a navigable year was shown to be, in both directions, with and with a confident reliance upon the cordial co-operation of presented was, with single locks, 6,000,000 of tons, and with an early period after the navigation shall have been opened to Cumberland, the State of Maryland will derive substantial re-The canal, running nearly parallel with the river through turn's from her large investments in this work. The shadow s entire length, necessarily passes through the centre of that has recently been thrown across her honored name is from the fertile grain-growing valley of the Potomac, whose the pillar of debt that has been built up from her contributions agricultural and manufacturing productions will, in a great to this Company, and the burden of that debt must continue measure, be borne upon it to market. Along its line may to bear heavily upon her patriotic people until relief is brought to them from the revenues of the canal.

It will be observed that in the present comme have confined ourselves exclusively to the special objects for which this meeting was called, and to the consideration of natters appertaining thereto. At the regular annual meeting of the stockholders in June next, we will make our usual report in regard to the general concerns of the Company during the past year. By order of the Board:

JAMES M. COALE. President of the Ches. and Ohio Canal Compan

IMPROVEMENTS IN RAILROAD MACHINERY.

FROM THE NORFOLK (VA.) HERALD.

The undersigned, having faithfully studied them twenty-two years, has discovered a new system of things, by which curves may be avoided, springs secured from breaking, boxes and axles precented from cutting, advance wheels used which will let off the steam brakes, that act on every wheel in the train, to stop quick in case of danger. This peculiar invention can-not well be used except with a straight track and train, and

other improvements too tedious to mention.

To change the course without a curve. In effect, I transin the seams between the planks to prevent slipping. This is merely a section of road, long and strong enough to support the train, and mill it on the centre hydraulic pivot; the bottom road

Models and drawings to explain this system may be see by inquiry at Portsmouth, Virginia, where strangers and others are respectfully invited to examine it. To persons engaged in the construction of articles in this line, it will prove particles in the line, it wi

A GREAT IMPROVEMENT.

Mr. J. P. Dimpfel, a scientific gentleman from France, who has resided many years in this country, has invented and successfully applied an attachment for locomotives, by which the cinders and carbonic acid gas escaping from a furnace are returned and consumed.

We had the pleasure of witnessing its operation on Thurs

day afternoon upon the Norristown Railroad, with a few gen-tlemen invited for the purpose, and were fully satisfied with its success and utility. The construction of the attachment its success and utility. The construction of the attachment is apparently simple, although it appears to have cost almost a lifetime of experiments. A partition in the chimney of the locomotive divides it so as to form an upward and downthe locomotive divides it so as to form an upward and downward passage, and at the bottom of the downward passage is a fly-wheel, worked by steam and surrounded by a bed of gravel. The fire being kindled, and the top of the chimney closed, the operation of the fly-wheel creates a strong draught, by which the flame, smoke, heat, &c. of the furnace, which would otherwise escape through the chimney, is drawn downward, filters through the gravel, and is driven under the grating of the furnace, where it adds its accumulated bedy of heat, fuel, and draught to the fire from which it escaped. The Directors of the Railroad, who have tested this improvement, think it will save at least fifty per centum of the fuel without any inconvenience, and it will be nearly as beneficial to the passengers, who often have their clothes injured by ignited cinders from a locomotive, and their eyes endangered. We are confident that ladies who travel upon railroads will always express a preference for Mr. Dimpfel's attachment on account of its protection from sparks—we mean not to pun—and we trust he will reap due reward for his ingenuity and perseverance.—North American.

Cura.—The Queen of Spain has thought fit to authorize

CUBA.—The Queen of Spain has thought fit to authorize the admission and conduction to the Island of Cuba of all individuals whose desire may be to establish themselves in that individuals whose desire may be to establish themselves in that island, and contribute, either as laborers or mechanics, towards the newly adopted system of white colonization. All persons or families, therefore, who are desirous of emigrating to that beautiful island are requested to present themselves at the effice of the Consuls, where, upon due demonstration of their quiet and peaceable habits, they will be inscribed on the list now open, and their passports, with all other necessary papers, will in due time be delivered to them free of charge.

Agrarian outrages continue to be committed in Columbia county, New York. On Monday night last a Mr. Bogardus, occupying a house which he had recently purchased under a distress warrant, was visited by a party of men in disguise, who turned him and his family out of doors, and then completely demolished the house.